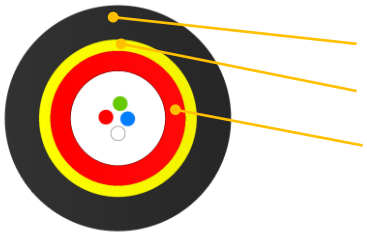
MK-DXx last mile connection drop reinforced cable (up to 24F)



*Schematic drawing, not in scale

APPLICATION:

Microduct cabling system application
FTTH & Distribution networks
Flexible network design
Last mile connection
For blowing & pulling installation method

STRUCTURE AND COMPOSITION:

HDPE with low coefficient of friction
Aramid yarns
Central tube with gel
250um colored fibers
Microbending resistant fiber G657A1 as standard

The cables are designed for last mile connection with very compact and solid construction. Special HDPE compound offer very low friction coefficient. This cable range is designed for air-blowing install technology but as well for manual pulling. Strong construction and aramid yarns makes the cable perfect to both above methods of installation.

CABLE CONFIGURATION:

Version	Qnt Fibers	Ø nominal (+-5%)	Nominal weight (+-10%)	Suggested Duct size [mm]
1T x 2F	2	2.0 [mm]	3.9 [kg/km]	5/3.5, 7/4.0, 7/5.5
1T x 4F	4	2.0 [mm]	3.9 [kg/km]	
1T x 6F	6	2.3 [mm]	4.4 [kg/km]	5/3.5, 7/5/3.5, 7/4.0, 7/5.5, 10/8mm
1T x 8F	8	2.3 [mm]	4.5 [kg/km]	
1T x 10F	10	2.3 [mm]	4.6 [kg/km]	
1T x 12F	12	2.3 [mm]	4.6 [kg/km]	
1T x 24F	24	3,5 [mm]	11.0 [kg/km]	

MAIN MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS (according to IEC 60794-5 and EN 187000)

Test	Test Standard	Specified Value	Requirement*
Max. installation tension	IEC 60794–1-2-E1	300N (1-12F) / 450N (24F)	$\Delta\alpha$ reversible, fiber strain ≤ 0.5%
Crush	IEC 60794–1–2-E3	500 N / 100 mm, max. 15 min	$\Delta\alpha \leq 0.05$ dB, no damage
Cable bend	IEC 60794–1–2-E11	R=20x D, 4 turns, 3 cycles	$\Delta\alpha \leq 0.05$ dB, no damage
Water penetration	IEC 60794–1–2-F5B	sample=3m, water column=1m, 24h	no water leakage
Temperature: Installation	IEC 60794-1-2-F1	-5... +50 [°C]	no attenuation increase
Operation		-25… +70 [°C]	no attenuation increase
Transport & Storage		-25… +70 [°C]	no attenuation increase

(*) values for single-mode fibers, all optical measurements performed at @ 1550 nm

OPTICAL FIBER AND LOOSE TUBES COLOR IDENTIFICATION

The colors of identifications see on **DSH_Colors_CODE_XXXX**

FIBER PARAMETERS

The value of characteristic fibers parameters see on **DSH_OFP**

Marking

The following printing (white hot foil indentation) is applied at 1-meter intervals.

- Supplier: FIBRAIN
- Standard Code (product type, fiber count, fiber type,), other sales name, jacket type
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID / Drum No

Example: METROJET MK-DX2 4F SM G657A1 1T4F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

Drums

The cables will be shipped on metal or treated wooden drums, with protective battens around the circumference. The inner and outer ends of the cable will be capped and made accessible for testing. A direction of rotation arrow is marked on the drum together with the identification information.

Packing

Delivery Length: 1000, 2000, 4000, 8000* meters ± 5%, with an allowance of supplying a maximum of 5% of the total contract quantity as short length cable which should be above 1000 meters length. Tolerance of 5 % of on Order Quantity shall be allowed.